

What is claimed is:

1. A method of treating waste supported in a liquid comprising:
 - a. Inoculating a carrier media with one or more microbial populations;
 - b. Placing said inoculated carrier media within a porous container;
 - c. Immersing said porous container in said waste supporting liquid; and
 - d. Supplying oxygen to said porous container and said one or more microbial populations.
2. The method of claim 1, further comprising the step of supplying at least one nutrient to said one or more microbial populations.
3. The method of claim 1, further comprising the step of spreading said one or more microbial populations throughout said waste supporting liquid.
4. The method of claim 3, wherein said one or more microbial populations are spread throughout said waste supporting liquid by gas bubbles diffusing through said liquid.
15. 5. A method of treating waste in a sewer wet-well comprising:
 - a. Inoculating a carrier media with one or more microbial populations;
 - b. Placing said inoculated carrier media within a porous container;
 - c. Installing said porous container in said sewer wet-well; and
 - d. Supplying oxygen to said porous container and said one or more microbial populations.
20. 6. The method of claim 5, further comprising the step of supplying at least one nutrient to said one or more microbial populations.

7. The method of claim 5, further comprising the step of spreading said one or more microbial populations throughout said sewer wet-well.

8. The method of claim 7, wherein said one or more microbial populations are spread throughout said wet-well by gas bubbles diffusing through said sewer wet-well.

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9. An apparatus for treating waste supported in a liquid comprising:

- A porous container having an internal chamber;
- A carrier media inoculated with one or more microbial populations, wherein said carrier media is disposed within the internal chamber of said porous container;
- Means for supporting said porous container within said waste supporting liquid; and
- Means for supplying oxygen to said one or more microbial populations.

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10. The apparatus of claim 9, further comprising means for supplying at least one nutrient to said one or more microbial populations.

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11. The apparatus of claim 10, wherein said means for supplying at least one nutrient to said one or more microbial populations comprises a conduit having a first end and a second end, wherein said first end is disposed within the internal chamber of said porous container and said second end is attached to a nutrient source.

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12. The apparatus of claim 11, wherein said conduit comprises tubing.

13. The apparatus of claim 9, wherein said means for supplying oxygen to said one or more microbial populations comprises a conduit having a first end and a

second end, wherein said first end is disposed within the internal chamber of said porous container and said second end is connected to an oxygen source.

14. The apparatus of claim 13, wherein said oxygen source comprises an air compressor.
- 5 15. The apparatus of claim 13, wherein said conduit comprises tubing.
16. The apparatus of claim 9, wherein said carrier media comprises a plurality of granules, wherein the dimensions of said granules are greater than the size of the pores in said porous container.
17. An apparatus for treating waste in a sewer wet-well comprising:
 - a. A cylindrical housing having an interior surface, an exterior surface and a plurality of apertures extending from said interior surface to said exterior surface;
 - b. A carrier media inoculated with one or more microbial populations, wherein said carrier media is disposed within said housing;
 - c. Means for supporting said housing within said sewer wet-well; and
 - d. Means for supplying oxygen to said one or more microbial populations.
18. The apparatus of claim 17, further comprising means for supplying at least one nutrient to said one or more microbial populations.
19. The apparatus of claim 18, wherein said means for supplying at least one nutrient to said one or more microbial populations comprises a conduit having a first end and a second end, wherein said first end is disposed within the internal chamber of said housing and said second end is attached to a nutrient source.
20. The apparatus of claim 19, wherein said conduit comprises tubing.

100-200-300-400-500-600-700-800-900

21. The apparatus of claim 19, wherein said nutrient source is disposed near the upper opening of said sewer wet-well.

22. The apparatus of claim 17, wherein said means for supplying oxygen to said one or more microbial populations comprises a conduit having a first end and a second end, wherein said first end is disposed within the internal chamber of said housing and said second end is connected to an oxygen source.

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23. The apparatus of claim 22, wherein said oxygen source comprises an air compressor.

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24. The apparatus of claim 23, wherein said air compressor is disposed near the upper opening of said sewer wet-well.

25. The apparatus of claim 22, wherein said conduit comprises tubing.

26. The apparatus of claim 17, wherein said carrier media is a plurality of granules, wherein each granule has outer dimensions greater than the apertures in said housing.

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27. The apparatus of claim 17, wherein said means for supporting said housing within said sewer wet-well further comprises:

a. At least one bracket affixed to the external surface of said housing; and

b. At least one cable having a first end and a second end, wherein said first end is affixed to a bracket on the external surface of said housing, and said second end is anchored near the upper opening of said sewer wet-well.

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28. The apparatus of claim 17, wherein said housing further comprises a removable cap.